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Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)			Complete if Known		
			Application Number	10/525,958	
			Filing Date	October 20, 2005	
			First Named Inventor	Robert CASPER	
			Art Unit	2873	
			Examiner Name	Pinkney, D.	
Sheet	1	of	9	Attorney Docket Number	101648.55966US

U.S. PATENT DOCUMENTS						
Examiner Initials ¹	Cite No. ¹	Document Number		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)				
	A2	US- 2006/0119954	A1	06-08-2006	Casper et al.	
	A3	US- 5,304,212	A	04-19-1994	Czeisler et al.	
	A4	US- 6,638,963	B1	10-28-2003	Lewy et al.	
	A5	US- 6,156,743	A	12-05-2000	Whitcomb	
	A6	US- 4,878,748		11-07-1989	Johansen et al.	
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FOREIGN PATENT DOCUMENTS							
Examiner Initials ¹	Cite No. ¹	Foreign Patent Document		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
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NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	C4	AKERSTEDT, T. et al., "Alertness-enhancing drugs as a countermeasure to fatigue in Irregular work hours", <i>Chronobiol Int</i> , 1997, Vol. 14, pp. 145-158.	
	C5	ARAI, Y. et al., "Critical exposure time for androgenization of the developing hypothalamus in the female rat", <i>Endocrinology</i> , Vol. 82, pp. 1010-1014, 1968.	
	C6	ARMOUR, D. et al., "Melatonin in the treatment of insomnia in children and adolescents", <i>Psychiatric Bulletin</i> , (2004), Vol. 28, pp. 222-224.	
	C7	BARKER, D., "In utero programming of chronic disease" <i>Clin Sci</i> , Vol. 95, pp. 115-128, 1998.	
	C8	BARKER, D.J. et al., "Fetal nutrition and cardiovascular disease in adult life", <i>Lancet</i> , Vol. 341, pp. 938-941, 1993.	
	C9	BARRENETXE, J. Et al., "Physiological and metabolic functions of melatonin", <i>J Physiol Biochem.</i> , 2004, Vol. 60, pp. 61-72.	
	C10	BENEDIKTSSON, R., "Glucocorticoid exposure in utero: new model for adult hypertension", <i>Lancet</i> , Vol. 341, pp. 339-341, 1993.	
	C11	BENLOUCIF, S. et al., "Interactions between light and melatonin on the circadian clock of mice", <i>J Biol Rhythms</i> , 1999, Vol. 14, pp. 281-9.	
	C12	BENSHOFF, H.M. et al., "Suppression of pineal melatonin in <i>Peromyscus leucopus</i> by different monochromatic wavelengths of visible and near-ultraviolet light (UV-A)", <i>Brain Res.</i> , 1987, Vol. 420, pp. 397-402.	
	C13	BLASK, D.E. et al., "Melatonin-depleted blood from premenopausal women exposed to light at night stimulates growth of human breast cancer xenografts in nude rats", <i>Cancer Res.</i> , 2005, Vol. 65, pp. 11174-84.	

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	C14	BLASK, D.E. et al., "Growth and fatty acid metabolism of human breast cancer (MCF-7) xenografts in nude rats: impact of constant light-induced nocturnal melatonin suppression", <i>Breast Cancer Res Treat.</i> , 2003, Vol. 79, pp. 313-20.	
	C15	CAJOCHEN, C. et al., "High Sensitivity of Human Melatonin, Alertness, Thermoregulation, and Heart Rate to Short Wavelength Light", <i>J Clin Endocrinol Metab</i> , 2005, Vol. 90, No. (3), pp. 1311-1316.	
	C16	COLLIGAN, M.J. et al., "Shiftwork: Effects of social and family life. Shiftwork: Occupational Medicine" <i>State of the Art Reviews</i> , 1990, Vol. 5, No. (2), pp. 315-322.	
	C17	CZEISLER, C.A. et al., "Exposure to bright light and darkness to treat physiologic maladaptation to night work", <i>N Engl J Med</i> , 1990, Vol. 322, pp. 1253-1259.	
	C18	CZEISLER, C.A. et al., "Bright light induction of strong (type 0) resetting of the human circadian pacemaker", <i>Science</i> , 1989, Vol. 244, pp. 1328-1333.	
	C19	DAWSON, D. et al., "Timed exposure to bright light improves sleep and alertness during simulated night shifts", <i>Sleep</i> , 1991, Vol. 14, pp. 511-516.	
	C20	EDWARDS, C.R. et al., "Dysfunction of placental glucocorticoid barrier: a link between the fetal environment and adult hypertension?", <i>Lancet</i> , Vol. 341, pp. 355-357, 1993.	
	C21	FRANK, A.L., "Injuries related to shiftwork", <i>Am J Prev Med</i> , 2000, Vol. 18, (45), pp. 33-36.	
	C22	GIBSON, E.S. et al., "The Impact of "Sleepiness" on Adolescent Students" Report of Population Health Grant 5555-15-1997-0000051, Health Canada, 1998-2002.	
	C23	GIBSON, E.S. et al., "'Sleepiness' is serious in adolescence: Two surveys of 3235 Canadian students" <i>BMC Public Health</i> , 2006, Vol. 6, No. 116, pp. 1-9.	

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	C24	GOLAND, R.S. et al., "Elevated levels of umbilical cord plasma corticotropin-releasing hormone in growth-retarded fetuses", <i>J Clin Endocrinol Metab</i> , Vol. 77, pp. 1174-1179, 1993.	
	C25	GUSTAFSSON, J.A. et al., "Sex steroid induced changes in hepatic enzymes", <i>Annu Rev Physiol</i> , Vol. 45, pp. 51-60, 1983.	
	C26	HAMMER, F. et al., "Cortisol metabolism in hypertension", <i>Best Pract Res Clin Endocrinol Metab.</i> , 2006, Vol. 20, pp. 337-53.	
	C27	HATTAR, S. et al., "Melanopsin and rod-cone photoreceptive systems account for all major accessory visual functions in mice", <i>Nature</i> , 2003, Vol. 424, pp. 76-81.	
	C28	HEALY, D. et al., "The circadian system and affective disorders: clocks or rhythms?", <i>Chronobiol Intern</i> , 1990, Vol. 7, pp. 5-9.	
	C29	HODDES, E. et al., "Quantification of sleepiness: A new approach", <i>Psychophysiol</i> , 1973, Vol. 10, pp. 431-436.	
	C30	HOROWITZ, T.S. et al., "Efficacy of bright light and sleep/darkness scheduling in alleviating circadian maladaptation to night work" <i>Am J Physiol Endocrinol Metab</i> , 2001, Vol. 281, pp. E384-E391.	
	C31	ISHIDA, A. et al., "Light activates the adrenal gland: Timing of gene expression and glucocorticoid release", <i>Cell Metab.</i> , 2005, Vol. 2, pp. 297-307 and Comment in: <i>Cell Metab.</i> , 2005, Nov, Vol. 2, No. (5), pp. 278-81.	
	C32	KAYUMOV, L. et al., "A randomized, double-blind, placebo-controlled crossover study of the effect of exogenous melatonin on delayed sleep phase syndrome", <i>Psychosom Med.</i> , 2001, Vol. 63, pp. 40-8.	
	C33	KAYUMOV, L. et al., "Blocking Low-Wavelength Light Prevents Nocturnal Melatonin Suppression with No Adverse Effect on Performance during Simulated Shift Work", <i>J Clin Endocrinol Metab.</i> , 2005, Vol. 90, pp. 2755-61.	

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	C34	KAYUMOV, L. et al., "Melatonin, sleep, and circadian rhythm disorders", <i>Semin Clin Neuropsychiatry</i> , 2000, Vol. 5, pp. 44-55.	
	C35	KHALSA, S.B. et al., "A phase response curve to single bright light pulses in human subjects" <i>J Physiol.</i> , 2003, Vol. 549, pp. 945-952.	
	C36	KRUPP, L.B. et al, "The fatigue severity scale. Application to patients with multiple sclerosis and systemic lupus erythematosus", <i>Arch. Neurol.</i> , 1989, Vol. 46, pp. 1121-1123.	
	C37	KUBO, T. et al., "Prospective Cohort Study of the Risk of Prostate Cancer among Rotating-Shift Workers: Findings from the Japan Collaborative Cohort Study", <i>Am J Epidemiol</i> , 2006, Vol. 164, No. 6 pp. 549-555.	
	C38	KUBOTA, T. et al., "Effects of nocturnal bright light on saliva melatonin, core body temperature and sleep propensity rhythms in human subjects", <i>Neurosci Res.</i> , 2002, Vol. 42, pp. 115-122.	
	C39	LINDSAY, R.S. et al., "Inhibition of 11-beta-hydroxysteroid dehydrogenase in pregnant rats and the programming of blood pressure in the offspring", <i>Hypertension</i> , Vol. 27, pp. 1200-1204, 1996.	
	C40	LINDSAY, R.S. et al., "Prenatal glucocorticoid exposure leads to offspring hyperglycaemia in the rat: studies with the 11 β -hydroxysteroid dehydrogenase inhibitor carbenoxolone", <i>Diabetologia</i> , Vol. 39, pp. 1299-1305, 1996.	
	C41	LUNA, T.D., "Air Traffic Controller Shiftwork: what are the implications for aviation safety? A review", <i>Aviat Space Environ Med</i> , 1997, Vol. 68, pp. 69-79.	
	C42	MITLER, M.M. et al., "Catastrophes, Sleep, and Public Policy: Consensus Report", <i>Sleep</i> , 1988, Vol. 11, pp. 100-109.	
	C43	NEWNHAM, J.P. et al., "Maternal, but not fetal, administration of corticosteroids restricts fetal growth", <i>J Matern Fetal Med</i> , Vol. 8, pp. 81-87, 1999.	

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	C44	NOWAK, J.Z. et al., "Melatonin and its physiological and therapeutic properties", <i>Pharmacy World & Science</i> , Vol. 20, No. 1, pp. 18-27, 1998.	
	C45	NYIRENDA, M.J. et al., "Glucocorticoid exposure in late gestation permanently programs rat hepatic phosphoenolpyruvate carboxykinase and glucocorticoid receptor expression and causes glucose intolerance in adult offspring", <i>J Clin Invest</i> , Vol. 15, pp. 2174-2181, 1998.	
	C46	OKAWA, M. et al., "Circadian rhythm sleep disorders in adolescents: clinical trials of combined treatments based on chronobiology", <i>Psychiatry Clin Neurosci.</i> , 1998, Vol. 52, pp. 483-490.	
	C47	OWENS, J., "Insomnia in Children and Adolescents", <i>Journal of Clinical Sleep Medicine</i> , 2005, Vol. 1, pp. 454-458.	
	C48	PANDA, S. et al., "Coordinated transcription of key pathways in the mouse by the circadian clock", <i>Cell</i> , 2002, Vol. 109, pp. 307-320.	
	C49	PERREAU-LENZ, S. et al., "The Biological Clock: The Bodyguard of Temporal Homeostasis", <i>Chronobiology International</i> , 2004, Vol. 21, No. 1, pp. 1-25.	
	C50	PHELPS, J., "Dark therapy for bipolar disorder using amber lenses for blue light blockade", <i>Med Hypotheses</i> , 2008, Vol. 70, pp. 224-229.	
	C51	REINISCH, J.M. et al., "Prenatal exposure to prednisone in humans and animals retards intrauterine growth", <i>Science</i> , Vol. 202, pp. 436-438, 1978.	
	C52	REVELL, V. et al., "Alerting effects of light are sensitive to very short wavelengths", <i>Neuroscience Letters</i> , 2006, Vol. 399, pp. 96-100.	
	C53	RICHTER, H.G. et al., "The Circadian Timing System: Making Sense of day/night gene expression", 2004, <i>Biol Res</i> , Vol. 37, pp. 11-28.	

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	C54	Rosa RR, Bonnet MH, Bootzin RR, Eastman CI, Monk T, Penn PE, Tepas DI, Walsh JK. Intervention factors for promoting adjustment to nightwork and shiftwork. <i>Occup Med</i> 1995 5: 391-414.	
	C55	RUNNEBAUM, I.B. et al., "Glucocorticoids Inhibit Cell Death in Ovarian Cancer and Up-regulate Caspase Inhibitor cIAP2", <i>Clin Cancer Res</i> , 2005, Vol. 11, pp. 6325 – 6332.	
	C56	SCHREY, M.P. et al., "Bombesin and glucocorticoids stimulate human breast cancer cells to produce endothelin, a paracrine mitogen for breast stromal cells", <i>Cancer Research</i> , 1992, Vol. 52, pp. 1786-1790.	
	C57	SHANAHAN, T.L. et al., "Resetting the melatonin rhythm with light in humans", <i>J Biol Rhythms</i> , 1997, Vol. 12, pp. 556-67.	
	C58	SHIRAYAMA, M. et al., "The psychological aspects of patients with delayed sleep phase syndrome (DSPS)", <i>Sleep Med.</i> , 2003, Vol. 4, No. (5), pp. 427-433.	
	C59	SMITH, L. et al., "Increased injuries on night shift", <i>Lancet</i> , 1994, Vol. 344, pp. 1137-1139.	
	C60	SOOKOIAN, S. et al., "Effects of rotating shift work on biomarkers of metabolic syndrome and inflammation", <i>J Intern Med</i> , 2007, Vol. 261, pp. 285-292.	
	C61	STECKLER, T. et al., "Glucocorticoids and depression" <i>Baillieres Best Pract Res Clin Endocrinol Metab.</i> , 1999, Vol. 13, pp. 597-614.	
	C62	SUNTER, D., "Working Shift", Perspectives, Statistics Canada (Catalogue 75-001E), Spring 1993, pp. 16-23.	
	C63	THAPAN, A. et al., "An action spectrum for melatonin suppression: evidence for a novel non-rod, non-cone photoreceptor system in humans", <i>J Physiol</i> , 2001, Vol. 535, pp. 261-7.	

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		Application Number	10/525,958
		Filing Date	October 20, 2005
		First Named Inventor	Robert CASPER
		Art Unit	2873
		Examiner Name	Pinkney, D.
Sheet 8 of 9	Attorney Docket Number	101648.55966US	

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	C64	TUUNAINEN, A. et al., "Depression and endogenous melatonin in post menopausal women", <i>J Affect Disord.</i> , 2002, Vol. 69, No. (1-3), pp. 149-158.	
	C65	VAN DONGEN, H.P., "Shift work and inter-individual differences in sleep and sleepiness", <i>Chronobiol Int.</i> , 2006, Vol. 23, pp. 1139-47.	
	C66	VAN DONGEN, P.A. et al., "The cumulative cost of additional wakefulness: dose-response effects on neurobehavioral functions and sleep physiology from chronic sleep restriction and total sleep deprivation", <i>Sleep</i> , 2003, Vol. 26, No. 2, pp. 117-126.	
	C67	WARD, R.M. "Pharmacologic enhancement of fetal lung maturation", <i>Clin Perinatol</i> , Vol. 21, pp. 523-542, 1994.	
	C68	WETTERBERG, L., "Clinical importance of Melatonin", <i>Prog Brain Res.</i> , 1979, Vol. 52, pp. 539-4	
	C69	WETTERBERG, L., "Chapter 3. In: Shaffi M, Shaffi SL, eds. <i>Melatonin in adult depression</i> . Washington DC, MD", American Psychiatric Press Inc.; 1998, pp. 43-79.	
	C70	WHITMORE, J.N. et al., "Psychophysiological effects of a brief nocturnal light exposure", <i>J Hum Ergol.</i> , 2001, Vol. 30, pp. 267-72.	
	C71	WIRZ-JUSTICE, A. "Biological rhythm disturbances in mood disorders", <i>Int Clin Psychopharmacol.</i> 2006, Vol. 21 Suppl 1: S11-5.	
	C72	WOLFSON, A.R. et al., "Early school start times affect sleep and daytime functioning in adolescents", <i>Sleep Research</i> , 1996, Vol. 25, pp. 117.	
	C73	WOLFSON, A.R. et al., "Sleep schedules and daytime functioning in adolescents", <i>Child Dev</i> , 1998 Aug, Vol. 69, pp. 875-887.	

Examiner Signature		Date Considered	
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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	C74	WOOD, P.A. et al., "Circadian clock coordinates cancer cell cycle progression, thymidylate synthase, and 5-fluorouracil therapeutic index", <i>Mol Cancer Ther.</i> , 2006, Vol. 5, pp. 2023-33.	
	C75	ZEITZER, J.M. et al., "Sensitivity of the human circadian pacemaker to nocturnal light: melatonin phase resetting and suppression", <i>J Physiol.</i> , 2002, Vol. 526, pp. 695-702.	

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